Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/26/2020 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124555	-1	2.09	124600	2.05
Blue	F	SSC	125000	124325	-1	1.64	125151	1.67
Blue	E	FITC	15892	15527	-3	2.74	337	19.98
Blue	D	PE	29999	29555	-2	1.94	643	14.56
Blue	B	PerCP-Cy5-5	43732	43716	-1	3.70	1174	20.41
Blue	A	PE-Cy7	30845	31082	0	6.03	592	40.84
Red	C	APC	46112	45859	-1	2.43	1617	12.25
Red	A	APC-Cy7	30458	29738	-3	2.35	787	11.91
Violet	B	V450	7918	7621	-4	4.46	426	13.04
Violet	A	V500	32171	30978	-4	4.21	722	10.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17152	11.69	620	-1	N/A	N/A	Pass
Blue	F	SSC	56549	1.19	560	1	N/A	N/A	Pass
Blue	E	FITC	61	67.07	542	-1	0.0214	227	Pass
Blue	D	PE	136	49.42	548	0	0.1754	303	Pass
Blue	B	PerCP-Cy5-5	214	50.77	656	0	0.0091	74	Pass
Blue	A	PE-Cy7	110	102.79	699	1	0.0110	21	Pass
Red	C	APC	386	25.17	589	5	0.0236	109	Pass
Red	A	APC-Cy7	174	29.45	560	4	0.0058	1404	Pass
Violet	B	V450	65	58.41	462	4	0.0519	1912	Pass
Violet	A	V500	108	35.04	478	4	0.0240	1044	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-31.98	0.99
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.72	13.60 - 20.40	N/A	N/A	29.65	29.95	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10171

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments